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COHEN, PONTANI, LIEBERMAN & PAVANE
551 FIFTH AVENUE
SUITE 1210
NEW YORK, NY 10176

EXAMINER

DEBROW, JAMES J

ART UNIT PAPER NUMBER

2176

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Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/697,468	Applicant(s) KASHI, RAMANUJAN	
	Examiner James J. Debrow	Art Unit 2176	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 30 October 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-41 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-41 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 30 October 2003 is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>12/11/03; 4/08/05</u> . | 6) <input checked="" type="checkbox"/> Other: <u>IDS 11/25/05</u> . |

DETAILED ACTION

1. This action is responsive to communications: Application filled 10/31/2003.
2. Claims 1-41 are pending in the case. Claims 1, 11, 22, 28, 30, 33, 38, 39, 40, and 41 are independent claims.

Claim Objections

3. **Claim 2** is objected to because of the following informalities: The preamble of the claim states "The method of claim 3". The examiner assumes this is an error and applicant meant to type "The method of claim 2...." Appropriate correction is required.

4. **Claim 26** is objected to because of the following informalities: The preamble of the claim states "The method of claim 21". The examiner assumes this is an error and applicant meant to type "The method of claim 22...." Appropriate correction is required.

Claim Rejections - 35 USC § 102

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

6. **Claims 28, 30-32, 38, and 41 are rejected under 35 U.S.C. 102(e) as being anticipated by Giordano, III (Patent No.: 6,870,828 B1; Filing Date Jun. 3, 1997).**

In regards to independent claim 28, Giordano discloses *a method for dialing a telephone number comprising the steps of:*

automatically detecting, by a client system, any instance of a telephone number in a web page (column 2, lines 8-10);

rendering, by the client system, any detected instance of a telephone number such that each identified instance stands out in the rendered web page (column 2, lines 25-28); and

in response to only a single action being performed by a user on a detected instance of a telephone number on the rendered web page, dialing said telephone number (column 2, lines 31-32).

In regards to independent claim 30, Giordano discloses *a method for assisting a user in performing an operation on a telephone number comprising the steps of:*

automatically detecting, by a client system, any instance of a telephone number in a web page (column 2, lines 8-10);

rendering, by the client system, any detected instance of a telephone number such that each identified instance stands out in the rendered web page (column 2, lines 25-28); and

in response to a user at least selecting an instance of a telephone number on the rendered web page, performing at least one predefined operation on said telephone number (column 2, lines 31-32).

In regards to dependent claim 31, Giordano discloses *the method of claim 30, wherein the at least one operation comprises the steps of:*

extracting and passing said telephone number to a program separate from a web browser in which the web page is rendered (column 2, lines 63-65).

In regards to dependent claim 32, Giordano discloses *the method of claim 31, wherein the program comprises a Browser Helper Object (column 2, lines 22;*
It was well known in the art, that a BHO is a small program that runs automatically every time you start your Internet browser. Using the broadest interpretation of this meaning,

the examiner concludes that the code, which iconify recognized telephone numbers is considered a Browser Helper Object).

In regards to independent claim 38, Giordano discloses a method for detecting telephone numbers comprising the step of:

automatically detecting any instance of a telephone number in a HTML or XML, document (HTML/XML document) being downloaded to a browser of HTML/XML documents (HTML/XML browser) by performing the sub-step of (column 2, lines 2-10): parsing a run-time Document Object Model (DOM) of the HTML/XML document by inserting programming code into the run-time DOM of the HTML/XML document, wherein said inserted programming code parses the run-time DOM (column 3, lines 32-36; Using the broadest interpretation of the definition of DOM as defined in the specification (0045), the examiner concludes that adding code to iconify recognized telephone numbers is a means of updating the content of the HTML document.).

In regards to independent claim 41, Giordano discloses a method for dialing a telephone number comprising the steps of:

rendering by the client system, any detected instance of a telephone number on a displayed web page such that each identified instance stands out (column 2, lines 23-28); and

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in response to at least one action performed by a user on a detected instance of a telephone number on the displayed web page dialing said telephone number (column 2, lines 31-32).

Claim Rejections - 35 USC § 103

7. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

8. **Claims 1-14, 16-24, 27, 29, 33, 35-37, 39, and 40 are rejected under 35 U.S.C. 103(a) as being unpatentable over Giordano, III (Patent No.: 6,870,828 B1; Filing Date Jun. 3, 1997) in view of Miller et al. (Patent No.: 5,946,647; Date of Patent: Aug. 31, 1999).**

In regards to independent claim 1, Giordano discloses *a method for automatically detecting a specified type of data in a markup language document and for providing functionality for any detected instances of the specified data type in the markup language document, comprising the steps of:*

loading the markup language document into a browser capable of visually rendering the markup language document (column 2, lines 15-17);

automatically identifying any instances of the specified type of data in the markup

language document (column 2, lines 8-10; Giordano discloses telephones numbers that are contained in a web page (markup language document) as the specified type of data.);

visually rendering the loaded markup language document, wherein said step of visually rendering the loaded markup language document comprises the step of:

visually rendering any identified instances of the specified data type in the loaded markup language document such that each one of any identified instances stands out visually in the visually rendered markup language document (column 2, lines 25-28); and

Giordano does not disclose expressly providing a functionality for performing or initiating a desired operation either markup language document, wherein said functionality comprises the step of:

in response to only a single action being performed by a user of the browser in relation to any of the identified instances standing out in the visually rendered markup language document, performing or initiating a desired operation either with or upon any of the identified instances standing out in the visually rendered markup language document.

However, Miller et al. discloses providing a functionality for performing or initiating a desired operation either markup language document, wherein said functionality comprises the step of:

in response to only a single action being performed by a user of the browser in relation to any of the identified instances standing out in the visually rendered markup language document, performing or initiating a desired operation either with or upon any of the identified instances standing out in the visually rendered markup language document (column 4, lines 8-10; column 4, lines 27-31).

Therefore, at the time of the invention, it would have been obvious to a person of ordinary skill in the art to combine Miller et al. with Giordano for the benefit of enabling users to perform different actions on an identified telephone number (column 1, lines 61-62).

In regards to dependent claim 2, Giordano discloses *the method of claim 3, wherein the single action performed by the user of the browser comprises the step of:*
selecting at least one of the identified instances standing out in the visually rendered markup language document (column 2, lines 25-28; column 2, lines 31-32).

In regards to dependent claim 3, Giordano discloses *the method of claim 2, wherein said step of selecting comprises the step of:*
using a cursor and a selecting means to click the at least one of the identified instances standing out in the visually rendered markup language document (column 2, lines 25-28; column 2, lines 31-32).

In regards to dependent claim 4, Giordano does not disclose expressly

the method of claim 3, wherein said selecting means comprises at least one of a computer mouse, a touchpad, a keyboard, a trackball, a voice command device, and a joystick.

However, Miller et al. discloses *the method of claim 3, wherein said selecting means comprises at least one of a computer mouse, a touchpad, a keyboard, a trackball, a voice command device, and a joystick* (column 4, lines 33-38).

Therefore, it would have been obvious to combine Miller et al. with Giordano for the benefit not limiting the invention to visual interface means (column 4, lines 33-34).

In regards to dependent claim 5, Giordano does not disclose expressly *the method of claim 1, wherein the desired operation comprises at least one of storing any of the identified instances of the specified data type in at least one memory location designated for the specified type of data; transmitting any of the identified instances of the specified data type to a designated piece of hardware or software in order that the designated piece of hardware/software perform a desired action either with or upon any of the identified instances of the specified data type; and providing the user of browser with a number of options of what action to perform with or upon any of the identified instances of the specified data type.*

However, Miller et al. discloses *the method of claim 1, wherein the desired operation comprises at least one of storing any of the identified instances of the specified data type in at least one memory location designated for the specified type of data* (column 2, lines 58-59); *transmitting any of the identified instances of the specified*

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data type to a designated piece of hardware or software in order that the designated piece of hardware/software perform a desired action either with or upon any of the identified instances of the specified data type (column 4, lines 53-57; Miller et al. discloses an action processor, uses designated software to perform a desired action either with or upon any of the identified instance); and providing the user of browser with a number of options of what action to perform with or upon any of the identified instances of the specified data type (column 2, lines 59-62; column 4, lines 23-31).

Therefore, at the time of the invention, it would have been obvious to a person of ordinary skill in the art to combine Miller et a. with Giordano for the benefit of enabling users to perform different actions on an identified telephone number (column 1, lines 61-62).

In regards to dependent claim 6, Giordano discloses *the method of claim 1, wherein said steps of loading the markup language document into the browser and automatically identifying any instances of the specified type of data in the markup language document are perform at substantially the same time (column 1, lines 30-32; column 2, lines 60-61).*

In regards to dependent claim 7, Giordano discloses *the method of claim1, wherein the specified data type comprises at least one of a category of text, a category of picture file, a category of audio file, and an attribute of a picture or audio file (column 3, lines 4-8).*

In regards to dependent claim 8, Giordano discloses *the method of claim 7, wherein the category of text is at least one of a telephone number and a mailing address (column 3, lines 11-12).*

In regards to dependent claim 9, Giordano discloses *the method of claim 1, wherein the step of visually rendering any identified instances of the specified data type in the loaded markup language document such that each one of any identified instances stands out visually in the visually rendered markup language document comprises the step of:*

highlighting each one of any identified instances in the visually rendered markup language document (column 2, lines 25-28).

In regards to dependent claim 10, Giordano discloses *the method of claim 1, wherein the markup language comprises at least one of HTML and XML (column 2, lines 15-17).*

In regards to independent claim 11, Giordano discloses *a method for automatically detecting a specified type of data in an HTML, or XML document (HTML/XML document) and for performing or initiating a desired operation either with or upon at least one selected instance of the specified data type in the HTML/XML document, comprising the steps of:*

loading the HTML/XML document into a browser of HTML/XML documents (HTML/XML browser) (column 2, lines 15-17);

automatically detecting any instance of the specified data type in the HTML/XML document (column 2, lines 8-10; Giordano discloses telephones numbers that are contained in a web page as the specified type of data.);

presenting the loaded HTML/XML document in the HTML/XML browser (column 2, lines 15-17; column 3, lines 17-19);

highlighting any detected instance of the specified data type in the displayed HTML/XML document (column 2, lines 25-28); and

Giordano does not disclose expressly *when a user of the HTML/XML browser selects at least one highlighted instance of the specified data type in the displayed HTML/XML document, performing or initiating a desired operation either with or upon said at least one selected instance of the specified data type.*

However, Miller et al. discloses *when a user of the HTML/XML browser selects at least one highlighted instance of the specified data type in the displayed HTML/XML document, performing or initiating a desired operation either with or upon said at least one selected instance of the specified data type (column 4, lines 8-10; column 4, lines 27-31).*

Therefore, at the time of the invention, it would have been obvious to a person of ordinary skill in the art to combine Miller et a. with Giordano for the benefit of enabling

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users to perform different actions on an identified telephone number (column 1, lines 61-62).

In regards to dependent claim 12, Giordano discloses *the method of claim 11, wherein the step of detecting any instance of the specified data type in the HTML/XML document comprises step of:*

parsing a run-time Document Object Model (DOM) of the HTML/XML document (column 3, lines 32-36; Using the broadest interpretation of the definition of DOM as defined in the specification (0045), the examiner concludes that adding code to iconify recognized telephone numbers is a means of detecting and updating the content of the HTML document.).

In regards to dependent claim 13, Giordano discloses *the method of claim 12, wherein the step of parsing a run-time Document Object Model (DOM) of the HTML/XML document comprises the step of:*

inserting programming code into the run-time DOM of the HTML/XML document, wherein said inserted programming code parses the run-time DOM (column 3, lines 32-36; Using the broadest interpretation of the definition of DOM as defined in the specification (0045), the examiner concludes that adding code to iconify recognized telephone numbers is a means of updating the content of the HTML document.)

In regards to dependent claim 14, Giordano discloses *the method of claim 13, wherein the inserted programming code parses the run-time DOM using at least one expression string, wherein said at least one expression string describes the object characteristics of the specified data type* (column 4, lines 6-9; Giordano discloses the length of the number string describes the characteristics of a telephone number.).

In regards to dependent claim 16, Giordano discloses *the method of claim 11, wherein the step of highlighting any detected instance of the specified data type in the display HTML/XML document comprises the step of:*

placing a span tag at any detected instance of the specified data type in the displayed HTML/XML document, wherein said span tag also makes the detected instance selectable by the user (column 1, line 30-32; column 1, line 39-41).

In regards to dependent claim 17, Giordano does not disclose expressly *the method of claim 11, wherein the step of performing or initiating a desired operation either with or upon said at least one selected instance of the specified data type comprises the step of:*

extracting said at least one selected instance of the specified data type.

However, Miller et al. discloses expressly *the method of claim 11, wherein the step of performing or initiating a desired operation either with or upon said at least one selected instance of the specified data type comprises the step of:*

extracting said at least one selected instance of the specified data type (column 3, lines 61-64).

Therefore, at the time of the invention, it would have been obvious to a person of ordinary skill in the art to combine Miller et al. with Giordano for the benefit of linking the actions associated with the pattern of the detected structure (column 3, lines 65-67).

In regards to dependent claim 18, Giordano discloses *the method of claim 17, wherein the step of performing or initiating a desired operation either with or upon said at least one selected instance of the specified data type further comprises the step of at least one of:*

storing the extracted at least one selected instance of the specified data type (column 2, lines 34-36; Giordano discloses storing the extracted phone number in an electronic phone book; column 2, lines 58-59);

Giordano does not disclose expressly *the method of claim 17, wherein the step of performing or initiating a desired operation either with or upon said at least one selected instance of the specified data type further comprises the step of at least one of:*

passing the extracted at least one selected instance of the specified data type to another program;

transmitting the extracted at least one selected instance of the specified data type to another software or hardware component in a computer system or network, wherein the HTML/XML browser is running on a component of said computer system

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network.

However, Miller et al. discloses *the method of claim 17, wherein the step of performing or initiating a desired operation either with or upon said at least one selected instance of the specified data type further comprises the step of at least one of:*

passing the extracted at least one selected instance of the specified data type to another program (column 2, lines 34-36); and

transmitting the extracted at least one selected instance of the specified data type to another software or hardware component in a computer system or network, wherein the HTML/XML browser is running on a component of said computer system network (column 2, lines 42-49).

Therefore, at the time of the invention, it would have been obvious to a person of ordinary skill in the art to combine Miller et al. with Giordano for the benefit of having program subroutines to interact with the document (column 3, lines 52-65).

In regards to dependent claim 19, Giordano discloses *the method of claim 11, wherein user of the HTML/XML browser selects at least one highlighted instance of the specified data type in the displayed HTML/XML document by performing only a single action* (column 2, lines 31-32).

In regards to dependent claim 20, Giordano does not disclose expressly *the method of claim 11, wherein the user may use one of at least two techniques to select*

at least one highlighted instance of the specified data type in the displayed HTML/XML document.

However, Miller et al. discloses *the method of claim 11, wherein the user may use one of at least two techniques to select at least one highlighted instance of the specified data type in the displayed HTML/XML document* (column 4, lines 27-31; column 4, lines 33-38).

Therefore, it would have been obvious to combine Miller et al. with Giordano for the benefit having an alternative selection mechanism for selecting identified structure/telephone number, to obtain the invention as specified in the claim(s).

In regards to dependent claim 21, Giordano does not disclose expressly *the method of claim 20, wherein, if a first of the at least two selection techniques is used by the user to select at least one highlighted instance of the specified data type, a menu of selectable options is presented to the user, wherein the selectable options comprise desired operations to perform or initiate with or upon the selected at least one highlighted instance of the specified data type.*

However, Miller et al. discloses *the method of claim 20, wherein, if a first of the at least two selection techniques is used by the user to select at least one highlighted instance of the specified data type, a menu of selectable options is presented to the user, wherein the selectable options comprise desired operations to perform or initiate with or upon the selected at least one highlighted instance of the specified data type* (column 4, lines 8-10; column 4, lines 27-31).

Therefore, at the time of the invention, it would have been obvious to a person of ordinary skill in the art to combine Miller et al. with Giordano for the benefit of enabling users to perform different actions on an identified telephone number (column 1, lines 61-62).

In regards to independent claim 22, Giordano discloses *a method for assisting a user in calling or storing a telephone number comprising the steps of:*

automatically detecting any instance of a telephone number in an HTML or XML web page being downloaded to a web browser (column 2, lines 8-10);

providing functionality that (i) highlights any detected telephone number in the downloaded web page (column 2, lines 25-28); and (ii) allows the user to select any highlighted detected telephone number in the downloaded web page (column 2, lines 31-32);

if the user selected a highlighted detected telephone number, extracting the selected highlighted telephone number and at least one of:

storing the extracted telephone number in memory (column 4, lines 57-58).

Giordano does not disclose expressly *passing the extracted telephone number to a telephony program in order that the telephony program initiate a telephone call;*

However, Miller et al. discloses *passing the extracted telephone number to a telephony program in order that the telephony program initiate a telephone call (column 1, lines 53-55; column 2, lines 46-53);*

Therefore, at the time of the invention, it would have been obvious to a person of ordinary skill in the art to combine Miller et al. with Giordano for the benefit of passing the extracted telephone number to a telephony program, to obtain the invention as specified in the claim(s).

In regards to dependent claim 23, Giordano discloses *the method of claim 22, wherein the step of automatically detecting any instance of the specified data type in the downloaded web page comprises the step of:*

inserting programming code into the run-time Document Object Model (DOM) of the downloaded web page, wherein said insert programming code parses the run-time DOM of the downloaded web page (column 4, lines 6-9; Giordano discloses the length of the number string describes the characteristics of a telephone number.).

In regards to dependent claim 24, Giordano discloses *the method of claim 23, wherein the inserted programming code parses the run-time DOM using at least one expression string, wherein the at least one expression string describes at least one of North American formatted telephone numbers and international formatted telephone numbers (column 2, lines 17-21).*

In regards to dependent claim 27, Giordano discloses *the method of claim 22, wherein the steps of automatically detecting any instance of a telephone number and providing functionality that (i) highlights any detected telephone number in the*

downloaded web page (column 2, lines 25-28); and (ii) allows the user to select any highlighted detected telephone number in the downloaded web page are performed by at least one of a proxy server and a client browser (column 3, lines 4-8).

In regards to dependent claim 29, Giordano does not disclose expressly *the method of claim 28, wherein the step of dialing said telephone number comprises the step of:*

extracting and passing said telephone number to a telephony program.

However, Miller et al. discloses *the method of claim 28, wherein the step of dialing said telephone number comprises the step of:*

extracting and passing said telephone number to a telephony program. (column 2, lines 44-53);

Therefore, at the time of the invention, it would have been obvious to a person of ordinary skill in the art to combine Miller et al. with Giordano for the benefit of passing the extracted telephone number to a telephony program, to obtain the invention as specified in the claim(s).

In regards to independent claim 33, Giordano discloses *a method for assisting a user in performing operations on a telephone number comprising the steps of:*

automatically detecting any instance of a telephone number in a web page being downloaded by the web browser (column 2, lines 8-10);

rendering, by the web browser, any detected instance of a telephone number

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such that each identified instance stands out in the rendered web page (column 2, lines 25-28);

making each identified instance of a telephone number capable of being selected by a user (column 2, lines 9-10; Giordano discloses the telephone numbers are iconified, which makes telephone number capable of being selected by a user.); and

in response to a user at least selecting an instance of a telephone number on the rendered web page, performing at least one predefined operation on said telephone number (column 2, lines 31-32; making a phone call is the predefined operation).

Giordano does not disclose expressly *providing functionality by a module on a client system, said module being separated from a web browser on the client system.*

However, Miller et al. discloses expressly *providing functionality by a module on a client system, said module being separated from a web browser on the client system* (column 3, lines 54-56; Fig 2).

Therefore, at the time of the invention, it would have been obvious to a person of ordinary skill in the art to combine Miller et al. with Giordano for the benefit of providing functionality by modules, to obtain the invention as specified in the claim(s).

In regards to dependent claim 35, Giordano discloses *the method of claim 33, wherein the module comprises a Browser Helper Object* (column 2, lines 22;

It was well known in the art, that a BHO is a small program that runs automatically

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every time you start your Internet browser. Using the broadest interpretation of this meaning, the examiner concludes that the code, which iconify recognized telephone numbers is considered a Browser Helper Object).

In regards to dependent claim 36, Giordano discloses *the method of claim 33, wherein the automatically detecting any instance of a telephone number comprises the steps of:*

parsing a run-time Document Object Model (DOM) of the web page (column 3, lines 32-36; Using the broadest interpretation of the definition of DOM as defined in the specification (0045), the examiner concludes that adding code to iconify recognized telephone numbers during run-time is a means of detecting and updating the content of the HTML document.).

In regards to dependent claim 37, Giordano discloses *the method of claim 36, wherein the step of parsing a run-time Document Object Model (DOM) of the web page comprises the step of:*

inserting programming code into the run-time DOM of the web page, wherein said inserted programming code parses the run-time DOM (column 3, lines 32-36; Using the broadest interpretation of the definition of DOM as defined in the specification (0045), the examiner concludes that adding code to iconify recognized telephone numbers is a means of updating the content of the HTML document.).

In regards to independent claim 39, Giordano discloses *a method for automatically detecting a specified type of data in a HTML or XML document (HTML/XML document) and for providing functionality for any detected instances of the specified data type in the HTML/XMT document, comprising the steps of:*

automatically detecting any instances of the specified type of data in the HTML/XML document by performing the sub-step of (column 2, lines 8-10):

parsing a run-time Document Object Model (DOM) of the HTML/XML document by inserting programming code into the run-time DOM of the HTML/XML document, wherein said inserted programming code parses the run-time DOM (column 3, lines 32-36; Using the broadest interpretation of the definition of DOM as defined in the specification (0045), the examiner concludes that adding code to iconify recognized telephone numbers is a means of updating the content of the HTML document.); and

Giordano does not disclose expressly *providing a functionality for performing or initiating a desired operation either with or upon any of the detected instances, wherein said functionality is neither intrinsic to, nor defined by, the markup language.*

However, Miller et al. discloses *providing a functionality for performing or initiating a desired operation either with or upon any of the detected instances, wherein said functionality is neither intrinsic to, nor defined by, the markup language (column 4, lines 27-31).*

Therefore, at the time of the invention, it would have been obvious to a person of ordinary skill in the art to combine Miller et a. with Giordano for the benefit of enabling users to perform different actions on an identified telephone number (column 1, lines 61-62).

In regards to independent claim 40, Giordano does not disclose expressly a *method for automatically detecting a specified type of data in a markup language document and for providing functionality for any detected instances of the specified data type in the markup language document comprising the steps of:*

automatically detecting any instances of the specified type of data in the markup language document, wherein the specified type of data is not identified or otherwise indicated by a markup language tag; and

providing a functionality for performing or initiating a desired operation either with or upon any of the automatically detected instances, wherein said functionality is neither intrinsic to, nor defined by the markup language.

However, Miller et al. discloses *automatically detecting any instances of the specified type of data in the markup language document, wherein the specified type of data is not identified or otherwise indicated by a markup language tag* (column 6, lines 34-47); and

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providing a functionality for performing or initiating a desired operation either with or upon any of the detected instances, wherein said functionality is neither intrinsic to, nor defined by, the markup language (column 4, lines 27-31).

Therefore, at the time of the invention, it would have been obvious to a person of ordinary skill in the art to combine Miller et al. with Giordano for the benefit of enabling users to perform different actions on an identified telephone number (column 1, lines 61-62).

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9. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

10. **Claim 26 is rejected under 35 U.S.C. 103(a) as being unpatentable over Giordano, III (Patent No.: 6,870,828 B1; Filing Date Jun. 3, 1997) in view of Miller et al. (Patent No.: 5,946,647; Date of Patent: Aug. 31, 1999) further in view of DeBoor et al. (Patent No.: 6,317,781 B1; Date of Patent: Nov. 13, 2001).**

In regards to dependent claim 26, Giordano in view of Miller et al. does not disclose expressly *the method of claim 21, wherein the step of providing functionality that (i) highlights any detected telephone number in the downloaded web page; and (ii) allows the user to select any highlighted detected telephone number in the downloaded web page comprises the step of:*

placing a span tag at a detected instance of telephone number in the downloaded web page, wherein said span tag (i) highlights the detected telephone number in the displayed web page; and (ii) makes the highlighted detected telephone number in the displayed web page selectable by the user.

However, DeBoor et al. discloses *the method of claim 21, wherein the step of providing functionality that (i) highlights any detected telephone number in the*

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downloaded web page; and (ii) allows the user to select any highlighted detected telephone number in the downloaded web page comprises the step of:

placing a span tag at a detected instance of telephone number in the downloaded web page, wherein said span tag (i) highlights the detected telephone number in the displayed web page; and (ii) makes the highlighted detected telephone in the displayed web page selectable by the user (column 7, lines 12-14 DeBoor et al. discloses a key tag, which allow the assignment of specific functions or action to any key of a key-pad. At the time of the invention, it would have been obvious to a person of ordinary skill in the art to apply DeBoor et al. teaching of assigning tags (span tags) with specific functions or actions to detected instances of a telephone number. Therefore, it would have been obvious to combine DeBoor et al. with Giordano in view of Miller et al. for the benefit placing tags with specific functions (highlights the detected telephone) or actions at detected instances of a telephone number in the downloaded web page.

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11. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

12. **Claims 15, and 25 are rejected under 35 U.S.C. 103(a) as being unpatentable over Giordano, III (Patent No.: 6,870,828 B1; Filing Date Jun. 3, 1997) in view of Miller et al. (Patent No.: 5,946,647; Date of Patent: Aug. 31, 1999) further in view of Rayan (Pub. No.: US 2003/0152207 A1; Filing Date Feb. 13, 2002).**

In regards to dependent claim 15, Giordano in view of Miller et al. does not disclose expressly *the method of claim 14, further comprising the steps of:*

receiving feedback from the user concerning an undetected instance of the specified data type; and

using the user feedback in order to detect said undetected instance in the future, by performing at least one step of:

*modifying the at least one expression string and
adding at least one other expression string.*

However, Ryan discloses *the method of claim 14, further comprising the steps of:*

receiving feedback from the user concerning an undetected instance of the specified data type (0059, lines 1-9); and

using the user feedback in order to detect said undetected instance in the future, by performing at least one step of:

modifying the at least one expression string (0063, lines 8-13) and

adding at least one other expression string (0063, lines 8-13).

Therefore, at the time of the invention, it would have been obvious to a person of ordinary skill in the art to combine Ryan with Giordano in view of Miller et al. for the benefit of each user easily controlling communication services from a personal telephone home page (0010, lines 7-13).

In regards to dependent claim 25, Giordano in view of Miller et al. does not disclose expressly *the method of claim 24, further comprising the steps of:*

receiving feedback from the user concerning an undetected telephone number on the downloaded web page; and

using the user feedback in order to detect a format of said undetected telephone number in the future, by performing at least one step of:

modifying the at least one expression string; and

adding at least one other expression string.

However, Ryan discloses *the method of claim 24, further comprising the steps of:*

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receiving feedback from the user concerning an undetected telephone number on the downloaded web page (0059, lines 1-9); and

using the user feedback in order to detect a format of said undetected telephone number in the future, by performing at least one step of:

modifying the at least one expression string (0063, lines 8-13); and

adding at least one other expression string (0063, lines 8-13).

Therefore, at the time of the invention, it would have been obvious to a person of ordinary skill in the art to combine Ryan with Giordano in view of Miller et al. for the benefit of each user easily controlling communication services from a personal telephone home page (0010, lines 7-13).

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13. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

14. **Claim 34 is rejected under 35 U.S.C. 103(a) as being unpatentable over Giordano, III (Patent No.: 6,870,828 B1; Filing Date Jun. 3, 1997) in view of Miller et al. (Patent No.: 5,946,647; Date of Patent: Aug. 31, 1999), further in view of McLaughlin et al. (Patent No.: 6,501,779 B1; Date of Patent: Dec. 31, 2002).**

In regards to dependent claim 34, Giordano in view of Miller et al. does not disclose expressly *the method of claim 33, wherein the module comprises a dynamic link library.*

However, McLaughlin et al. discloses the modules need not be located together, but may comprise disparate instructions stored in different locations, which together implement the describes functionality of the module (column 4, lines 59-62). At the time of the invention, it was well know in the art that a dynamic link library was a collection of small programs (modules), which can be called when needed by a larger program that is running in the computer.

Therefore, it would have been obvious to combine McLaughlin et al. with Giordano in view of Miller et al. for the benefit of implementing the modules in a wide variety of configurations (column 4, lines 41-42).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to James J. Debrow whose telephone number is 571-272-5768. The examiner can normally be reached on 8:00-5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Heather Herndon can be reached on 571-272-4136. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

JAMES DEBROW
EXAMINER
ART UNIT 2176

A handwritten signature in black ink, appearing to read 'D. Hutton', with a stylized flourish at the end.

DOUG HUTTON
PRIMARY EXAMINER
TECH CENTER 2100